

VEITH SYSTEM

THE VEITH SYSTEM CLOTH ROLL MAGAZINE WITH INTEGRATED GANTRY SPREADER

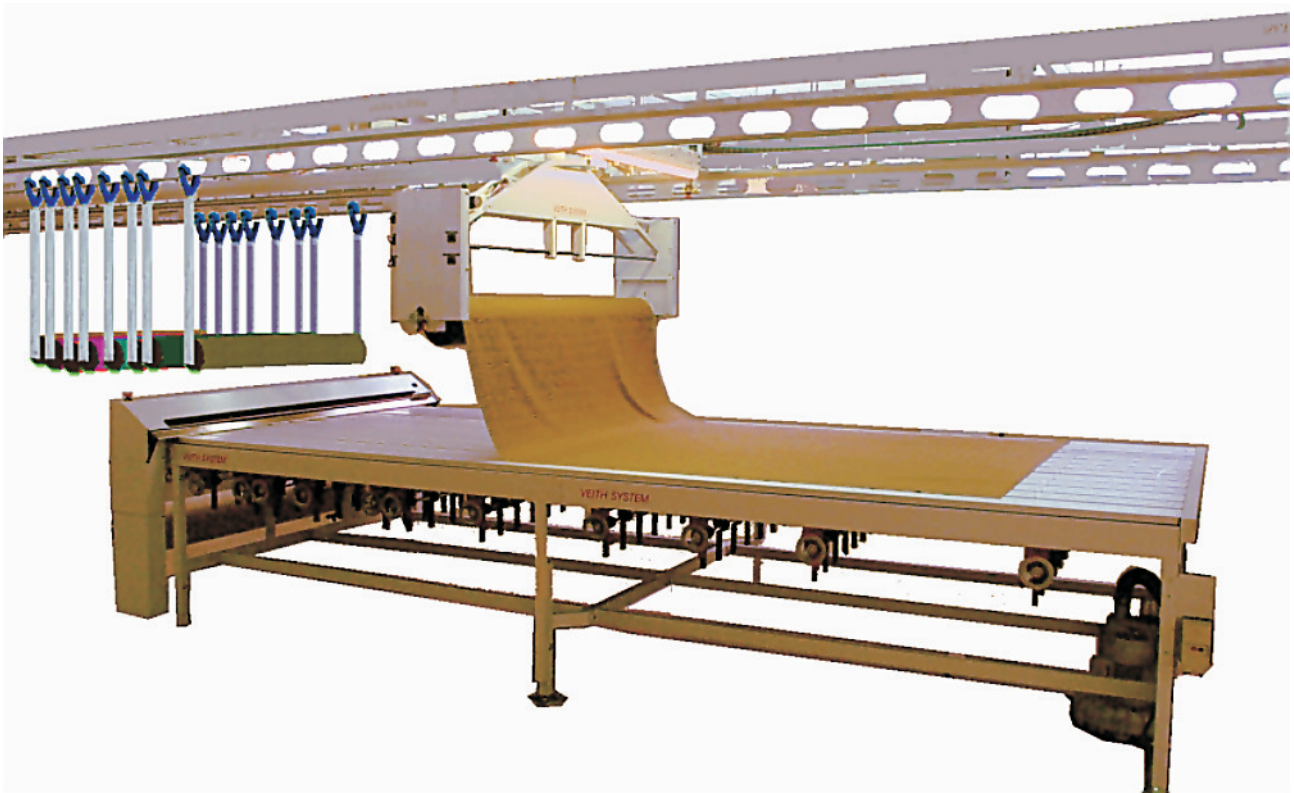
The intelligent state-of-the-art solution to today's cutting room problems:

- ✓ Organizational support for cutting orders.
- ✓ Controlled planning for cloth storage.
- ✓ Flexible access to the rolls.
- ✓ Quick exchange of the rolls.
- ✓ Easy heavy cloth roll handling, especially for women.
- ✓ Can be installed as an upgrade.

consumption.

THE SOLUTION

The **VEITH SYSTEM CLOTH ROLL MAGAZINE** with an **INTEGRATED GANTRY SPREADER** offers a total solution in the area of cloth roll selection and spreading. The system has been conceived to combine quick roll changes with planned roll storage in a manual spreading environment. High technology has deliberately not been incorporated, but instead the system combines intelligent and simple technical



THE SITUATION

The situation today is best described by buzz words - such as "quick response", "just in time", "flexibility" - representing an expression of continually increasing competitiveness with high production costs. This causes more problems for the cutting room. The result: even more small orders, shorter lays and lower plies meeting with more cloth varieties in the same lay. The result is that traditional laying-up machines are no longer effective in this scenario. Due to frequent roll changes, the unproductive waiting time may reach up to 70% of the total time available.

In order to minimize time consuming cloth changes, it happens very often that a precut in length is carried out, resulting in a considerable increase of material

solutions with clever innovation. The **GANTRY SPREADER** and the rolls are carried or stored on an overhead track system. The tracks are supported by pillars and gantries and can be installed over existing spreading tables. The storage of rolls on overhead tracks significantly reduces space requirements, as currently unused space above the spreading table can be used as storage area.

The extremely quick roll change is achieved through a patented clamping mechanism which simultaneously forms the support for the roll holder. The pneumatic drive for the clamping mechanism has sufficient power reserve to handle even heavy rolls quickly. The rolls can be used immediately, as threading is unnecessary. For longer lays the **VEITH SYSTEM GANTRY SPREADER** can easily be moved

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using very little energy. The spreader can be fixed at any position for stationary use. The pneumatically driven roll turning mechanism allows spreading in a face-to-face mode.

The cloth rolls are individually stored on shafts, which are kept in trollies using ball bearings rolls guided on their own rails. So moving is easy and requires very little effort, even when a bigger amount of rolls have to be moved. The number of rolls to be stored in the **VEITH SYSTEM ROLL MAGAZINE** is depending on the storage system (single level or 2-level, the high capacity alternative) and further on the length of the system. By this it can be adapted to individual requirements and restrictions.

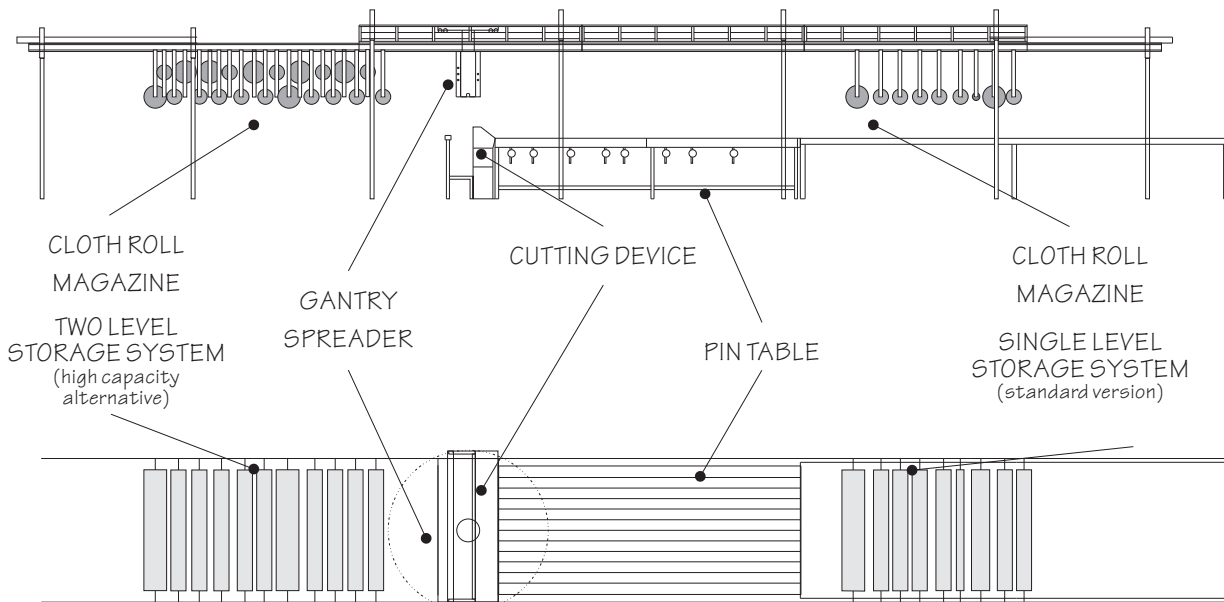
The hanging cloth storage allows a good overview of the state of the actual cut order and ensures that the sequence of the rolls with respect to the sizes to be cut can be maintained as planned. The easy transportability of the rolls allows the operator to simultaneously move a number of rolls without much

effort. Therefore, the by-passing of rolls is easy and any required roll can thus immediately be put to use.

Broken shaft holders are no longer a problem as the rolls are not held on cones. The set-up time for loading and unloading the storage magazine has been reduced to a minimum.

In order to increase the total capacity of the **VEITH SYSTEM ROLL MAGAZINE** further a **ROLL RETURN** can be installed so that the rolls can be stored end-to-end in a chain configuration.

In addition to the technological advantages the aspect of workplace comfort has become more and more important. Activities that risk injury, such as the lifting of heavy rolls, are a thing of the past.



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